



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010636
CERTIFICATION DATE: March 5, 2014
DATE RECERTIFICATION DUE: September 1, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L 0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

Michelle M. Billeter
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 29th day of April, 2014 by Michelle M. Billeter

Teresa J. Brewster, Notary Public

My commission expires: April 30, 2017



HMS
mmB

**Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 3/6/2014**

Instrument Serial Number: 010636 **As of 06-Mar-14**

Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
05-Mar-14	05-Mar-14	HMS (18910)	REPLACED PRINTER RIBBBON, CERTIFIED, REPLACED DRY GAS STANDARD.
19-Sep-13	19-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
10-Apr-13	10-Apr-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
25-Oct-12	25-Oct-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
09-May-12	09-May-12	HMS (18910)	REPLACED E-SEEK CARD READER, CERTIFIED, REPLACED DRY GAS STANDARD.
15-Nov-11	15-Nov-11	HMS (18910)	CERTIFIED
09-Jun-11	09-Jun-11	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
22-Dec-10	22-Dec-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED.
09-Jul-10	09-Jul-10	RJP (22428)	CERTIFIED.
22-Jan-10	22-Jan-10	RJP (22428)	REPLACED DRY GAS STANDARD. CERTIFIED
03-Aug-09	03-Aug-09	RJP (22428)	CERTIFIED.
15-Apr-09	15-Apr-09	RJP (22428)	CERTIFIED.
06-Apr-09	06-Apr-09	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

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INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010636 Worksheet Start Date 3/5/2014
Location Fort Belvoir
Address 6080 Abbott Rd., Fort Belvoir, VA 22060
DFS Technician Heather Stanton License No. 18910

☐ Laboratory

☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 761 Reference Barometer (mm HG) 763
Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.302
0.300	0.300	0.291	0.309	Sample 2	0.302
Precision		sample min	sample max	Sample 3	0.302
0		0.302	0.302		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

Dry gas standard Lot No. (with tank no.) AG400202-39

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:



Notes:

Replaced printer ribbon.

Instrument Serial Number

010636

Certification Date

3/5/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.249
0.250	0.250	0.242	0.257	Sample 2	0.248
Precision		sample min	sample max	Sample 3	0.248
0.001		0.248	0.249		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.150
0.150	0.150	0.145	0.154	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician

Heath M. Stark

Date

3/6/14

Issuing Analyst

Michelle Beller
msk

Date

3/6/14

thg
mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 311
Test Date: 03/05/2014 Test Time: 13:21 EST

Technician Initials: HMS

Dry Gas Target: 0.250

Lot Number: 0771325014-02 Exp Date: 05/01/2015
Tank Pressure: 575 psi Barometric Pressure: 761 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:21
BLK	0.000	13:22
CHK	0.249	13:23
BLK	0.000	13:24
CHK	0.248	13:25
BLK	0.000	13:27
CHK	0.248	13:28
BLK	0.000	13:30

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
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Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 312
Test Date: 03/05/2014 Test Time: 13:34 EST

Technician Initials: HMS

Dry Gas Target: 0.150

Lot Number: 29512150I2-02 Exp Date: 11/01/2014
Tank Pressure: 80 psi Barometric Pressure: 761 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:35
BLK	0.000	13:36
CHK	0.150	13:36
BLK	0.000	13:38
CHK	0.150	13:39
BLK	0.000	13:40
CHK	0.150	13:41
BLK	0.000	13:43

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
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Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 313

Test Date: 03/05/2014 Test Time: 13:44 EST

Technician Initials: HMS

Dry Gas Target: 0.080

Lot Number: 07713080I2-04 Exp Date: 05/01/2015

Tank Pressure: 159 psi Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:45
BLK	0.000	13:46
CHK	0.080	13:46
BLK	0.000	13:48
CHK	0.080	13:48
BLK	0.000	13:50
CHK	0.080	13:50
BLK	0.000	13:52

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
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Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010636 Test Number: 314
Test Date: 03/05/2014 Test Time: 13:53 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0771302011-04 Exp Date: 05/01/2015
Tank Pressure: 110 psi Barometric Pressure: 761 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:53
BLK	0.000	13:54
CHK	0.019	13:55
BLK	0.000	13:56
CHK	0.019	13:57
BLK	0.000	13:58
CHK	0.019	13:59
BLK	0.000	14:00

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 315

Test Date: 03/05/2014 Test Time: 14:03 EST

Dry Gas Target: 0.300

Lot Number: AG322702-05 Exp Date: 08/15/2015

Tank Pressure: 350 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:04
CHK	0.302	14:04
BLK	0.000	14:06
CHK	0.302	14:07
BLK	0.000	14:09
CHK	0.302	14:10

Test Status: *Success*

Calibration CRC: BB2D8DCD

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Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010636 Test Number: 316

Test Date: 03/05/2014 Test Time: 14:12 EST

Dry Gas Target: 0.100

Lot Number: AG400202-39 Exp Date: 01/02/2016

Tank Pressure: 1120 psi Barometric Pressure: 761 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:13
CHK	0.100	14:14
BLK	0.000	14:15
CHK	0.100	14:16
BLK	0.000	14:18
CHK	0.100	14:18

Test Status: *Success*

Calibration CRC: BB2D8DCD




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

MS
MMB

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 03/05/2014
TEST EQUIPMENT NUMBER 010636		

RESULTS: TIME SAMPLE TAKEN 14:26 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 06 Mar 2014 at 07:54

Handwritten: LMS
mmB

Test Results

Instrument Serial Number 010636

Test # 000317 Subject Test

Test Location 1 Department of
Test Date 05 Mar 2014

Test Location 2 Forensic Science
Test Time 14:20
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 05 Mar 2014 End Time 14:27

Result Time 14:26

Result Date 05 Mar 2014

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:20

Data Type BLK

Sample Value 0.000

Sample Time 14:21

Data Type CHK

Sample Value 0.100

Sample Time 14:21

Data Type BLK

Sample Value 0.000

Sample Time 14:23

Data Type SUBJ

Sample Value 0.000

Sample Time 14:24

Data Type BLK

Sample Value 0.000

Sample Time 14:25

Data Type SUBJ

Sample Value 0.000

Sample Time 14:26

Data Type BLK

Sample Value 0.000

Sample Time 14:27

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG400202-39

Standard Expiration Date 01/02/2016

Tank Pressure 1120

Barometric Pressure 761 mmHg

Blow Sample Number 1 Blow Duration 3.47 sec

Blow Volume 1743 cc

End-of-Blow Time 14:24

Blow Sample Number 2 Blow Duration 3.48 sec

Blow Volume 1726 cc

End-of-Blow Time 14:26

Tamper Evident Stamp 939adc18

Test Status Code 0

Test Status Success